

FIG. 1

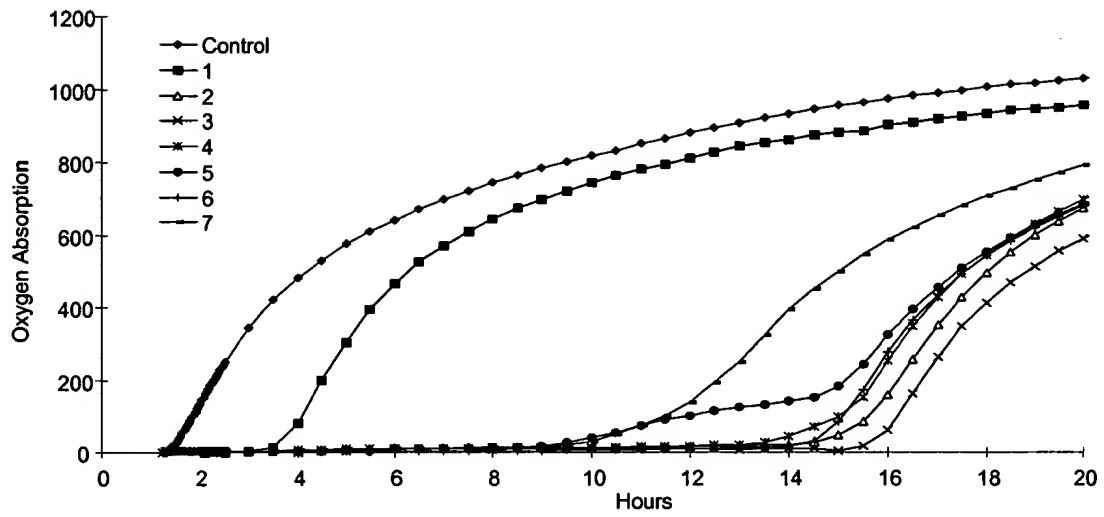


FIG. 2

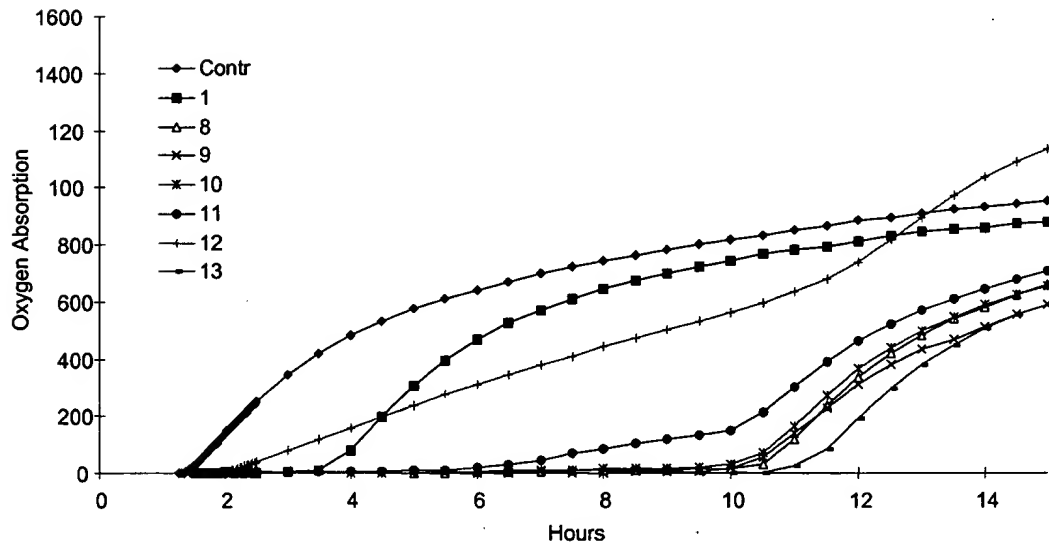




FIG. 3

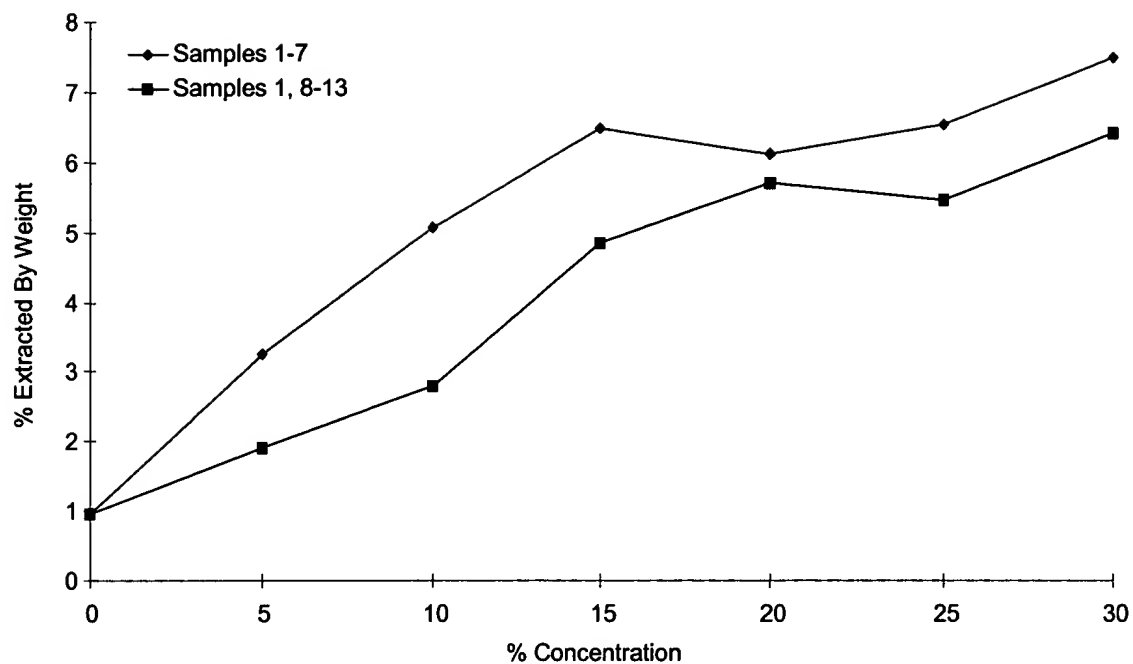


FIG. 4

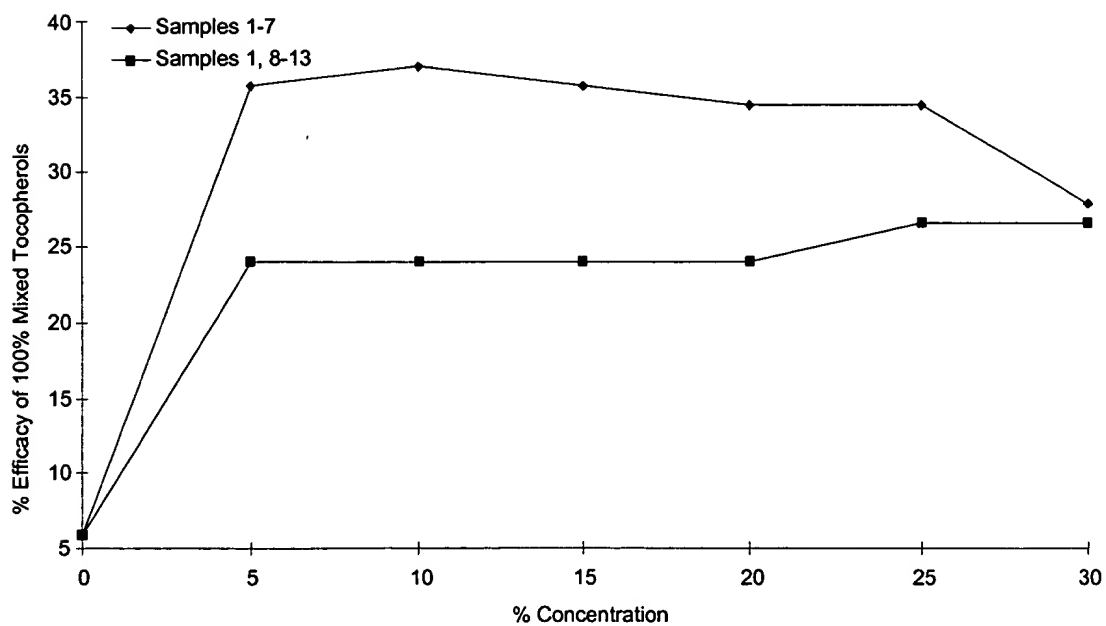


FIG. 5

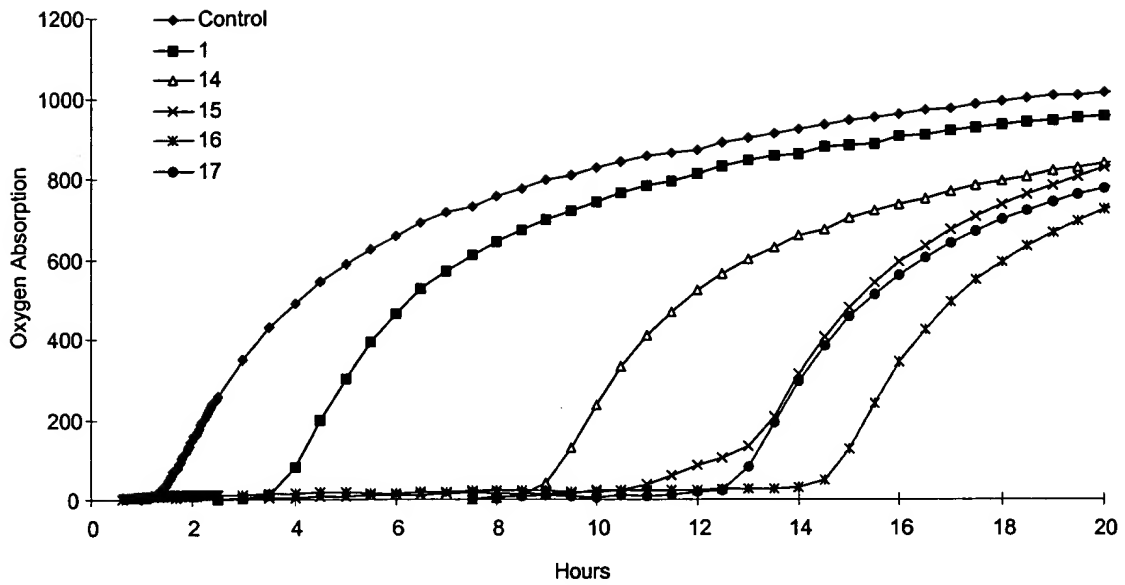


FIG. 6

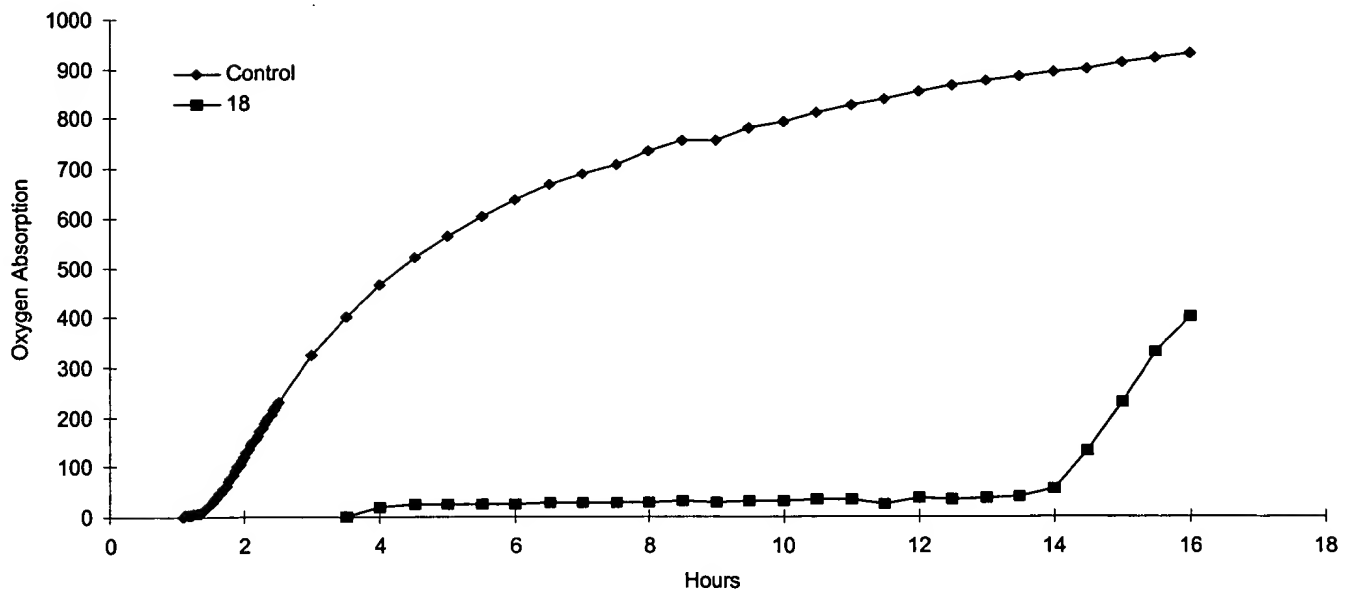


FIG. 7

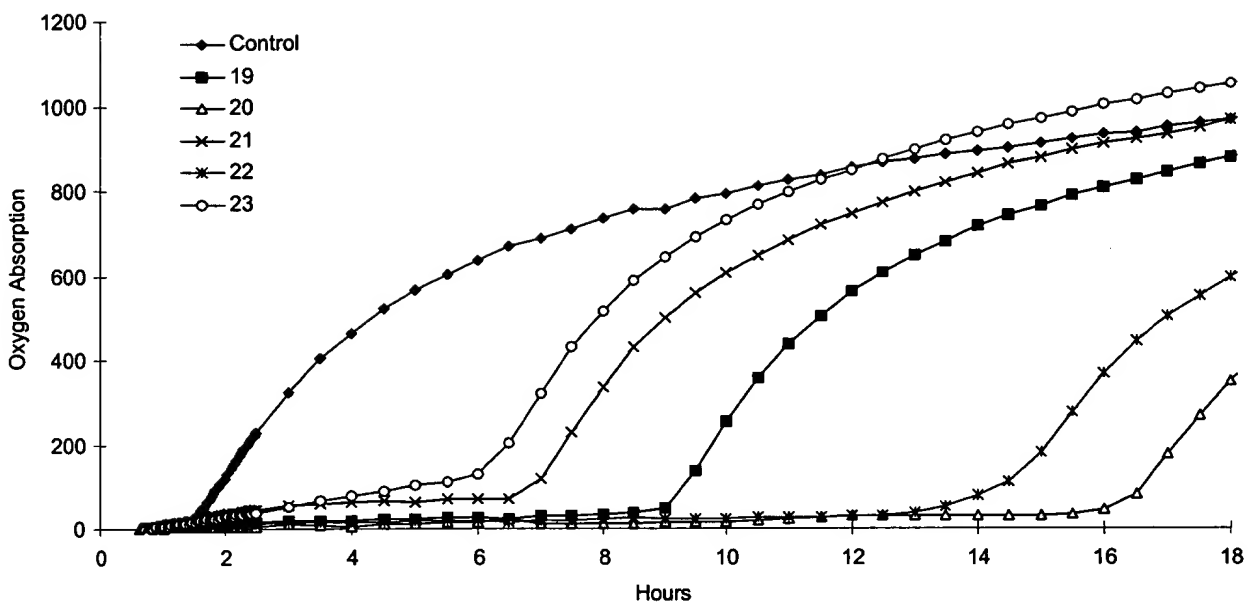


FIG. 8

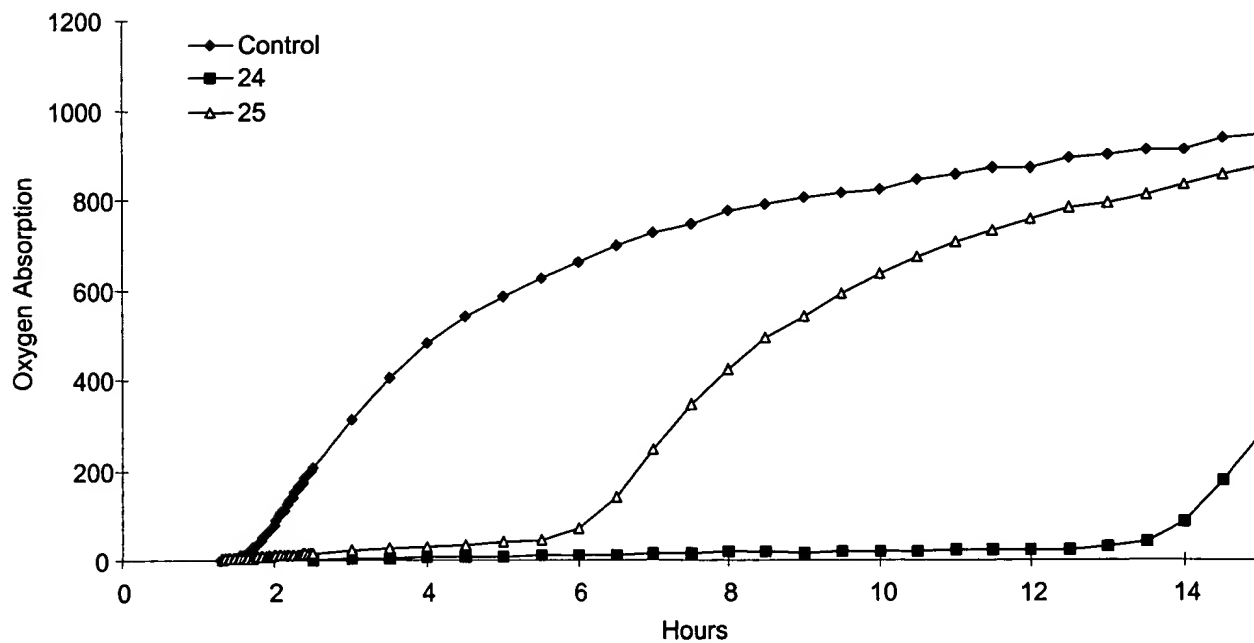




FIG. 9

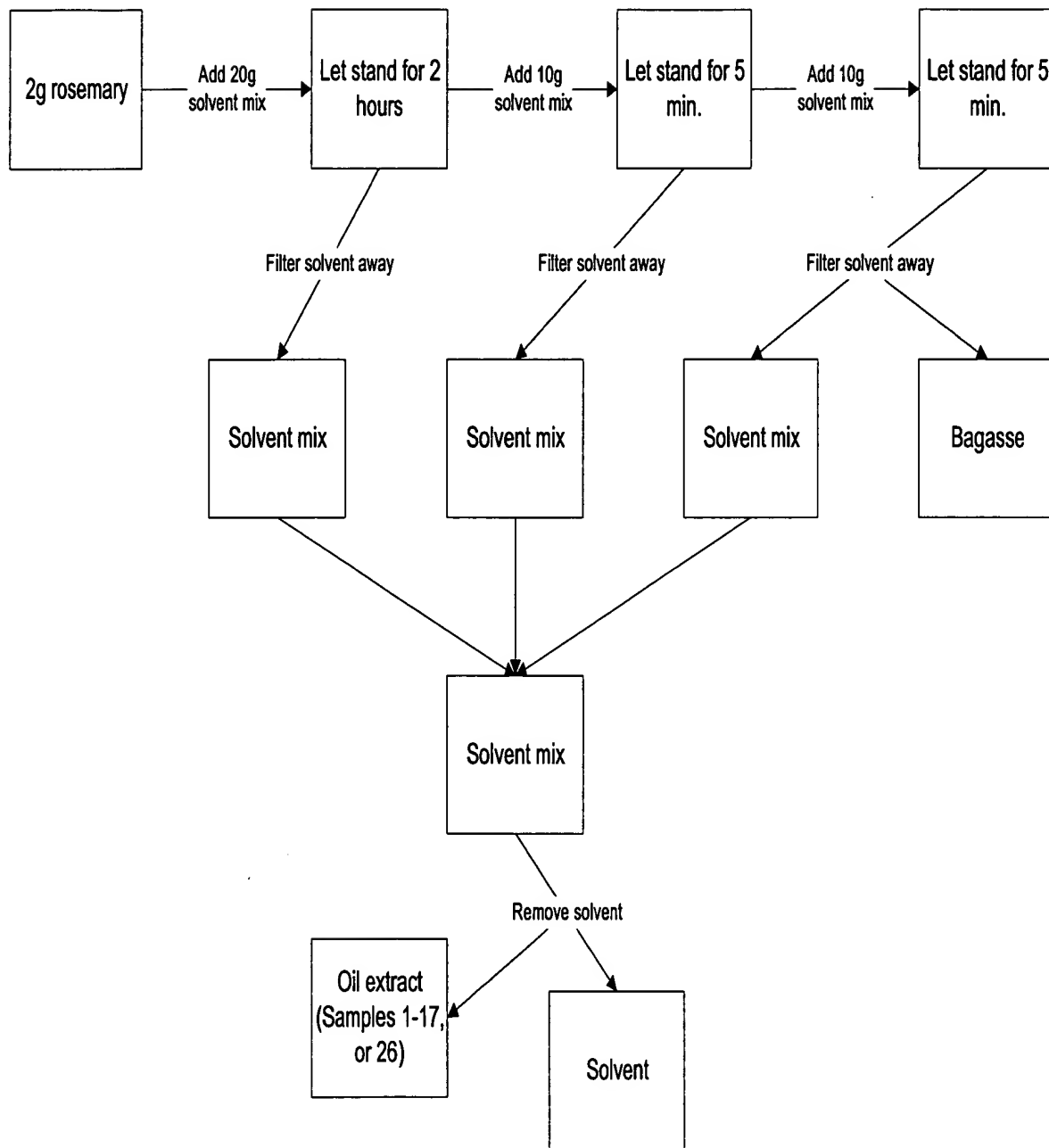
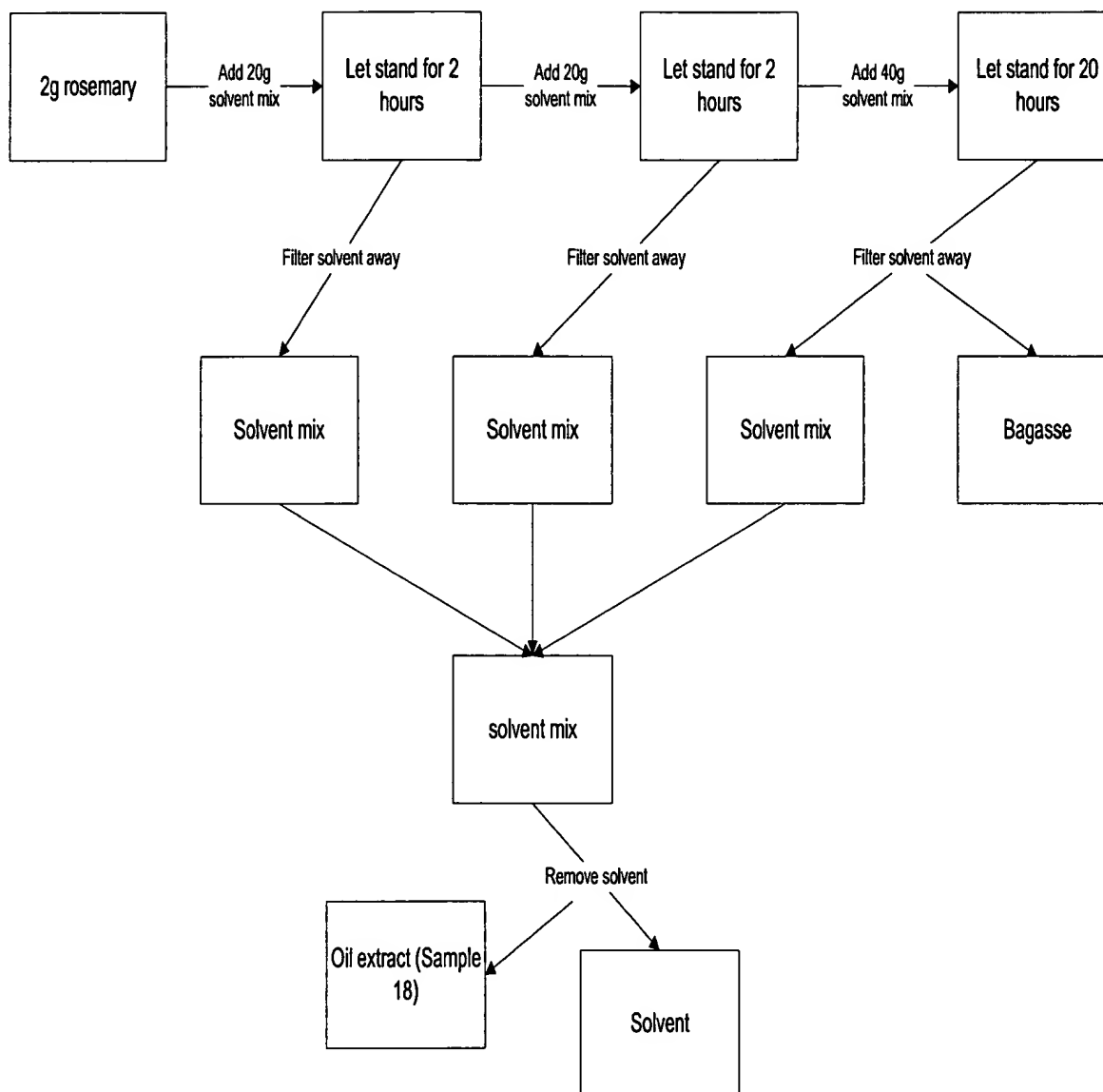




FIG. 10



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graph TD; A[100g rosemary] -- "Add 600ml methanol" --> B[Let stand for 48 hours]; B -- Filter --> C[Bagasse]; B -- Filter --> D[Methanol with extract]; D -- "Remove solvent via rotary evaporator" --> E[Extract Sample19]; D -- "Remove solvent via rotary evaporator" --> F[Methanol]; E --> G[1g Sample 19]; G -- "Add 10g solvent mix" --> H[Let stand for 2 hours]; H -- "Add 10g solvent mix" --> I[Let stand for 2 hours]; H -- "Filter solvent away" --> J[Solvent mix]; I -- "Filter solvent away" --> K[Solvent mix]; I -- "Filter solvent away" --> L["Solid portion Samples 21 and 23"]; J --> M[Solvent mix]; K --> M; M -- "Remove solvent" --> N[Solvent]; M -- "Remove solvent" --> O["Oil extract Sample 20 and 22"];
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The flowchart illustrates the extraction process. It begins with 100g of rosemary, which is added to 600ml of methanol and allowed to stand for 48 hours. The mixture is then filtered to separate the bagasse from the methanol containing the extract. The solvent is removed from the methanol extract using a rotary evaporator, yielding the Extract (Sample 19) and Methanol. The Extract (Sample 19) is then combined with 1g of Sample 19. This mixture is added to 10g of solvent mix and allowed to stand for 2 hours. Another 10g of solvent mix is added, and the mixture is allowed to stand for another 2 hours. The solvent is then filtered away, resulting in two solvent mixtures and a solid portion (Samples 21 and 23). The two solvent mixtures are combined, and the solvent is removed, yielding the final Solvent and Oil extract (Samples 20 and 22).



FIG. 12

